

SECRET

BYE 3297-63

Copy of

26 September 1963

MEMORANDUM FOR THE RECORD

SUBJECT : Trip to Lockheed, Burbank, California, and [redacted]

25X1A

REFERENCE : Trip Report, GE-ATL, 9 September 1963 ([redacted] 3207-63)

25X1A

1. The undersigned, along with GE-ATL employees representing the contractor on DD-2020 KEMPSTER B, made the subject trip to gain more information for the execution of this contract. The two GE-ATL employees were [redacted], Project Engineer, and [redacted] Project Liaison Engineer.

25X1A

25X1A

25X1A

2. [redacted] of LAC, Burbank, was very cooperative in supplying additional information required by contractor on KEMPSTER B. Plans of contractor are rapidly approaching the "gelling" stage in the design.

3. One particularly significant thing in the contractor's design related to the use of the "O" vehicle electrical power versus the "O" vehicle hydraulic power in the amount of 50 Kw equivalent of the available 60 Kw. [redacted] brought in [redacted] Electrical Engineer, who pointed out that at climb to altitude, the two electrical generators have a total demand load of 27.2 Kva. At cruise, this figure drops to 24.9 Kva for two generators. Each generator has a 30 Kva total rating. In the event of failure of one of the two generators, all but emergency electrical loads will be automatically cut out. Thus, there is an obvious advantage of using the hydraulic system for KEMPSTER B.

25X1A

25X1A

4. Contractor investigated the cooling systems supplied LAC, Burbank, by [redacted]. There we talked

25X1A

GROUP 1
Excluded from automatic
downgrading and
declassification

SECRET

Handle via [redacted]
Control System

25X1A

SECRET

25X1A to [redacted] VP and Division Manager, [redacted]
25X1A Chief, Heat Transfer Division, [redacted] Project
25X1A Engineer, and [redacted], Project Liaison Engineer.
All of the foregoing were very cooperative in outlining
what could be done in terms of compact light-weight
cooling systems. Liquid cooling via water boiler
appears to be most effective. Weight-wise, the
[redacted] estimates on the most likely methods varied
from 5 to 20 pounds total.

25X1A
25X1A

5. The undersigned plans to make the next
inspection trip at GE-ATL within a fortnight.

SIGNED

25X1A [redacted]
Engineering and Analysis Division
(Special Activities)

EAD/OSA:RFPlott:ccj
#1 - EAD/OSA (thru ADD/S&T)
#2 - D/TECH/OSA
#3 - CD/OSA
#4 - EAD/OSA chrono
#5 - RB/OSA

SECRET